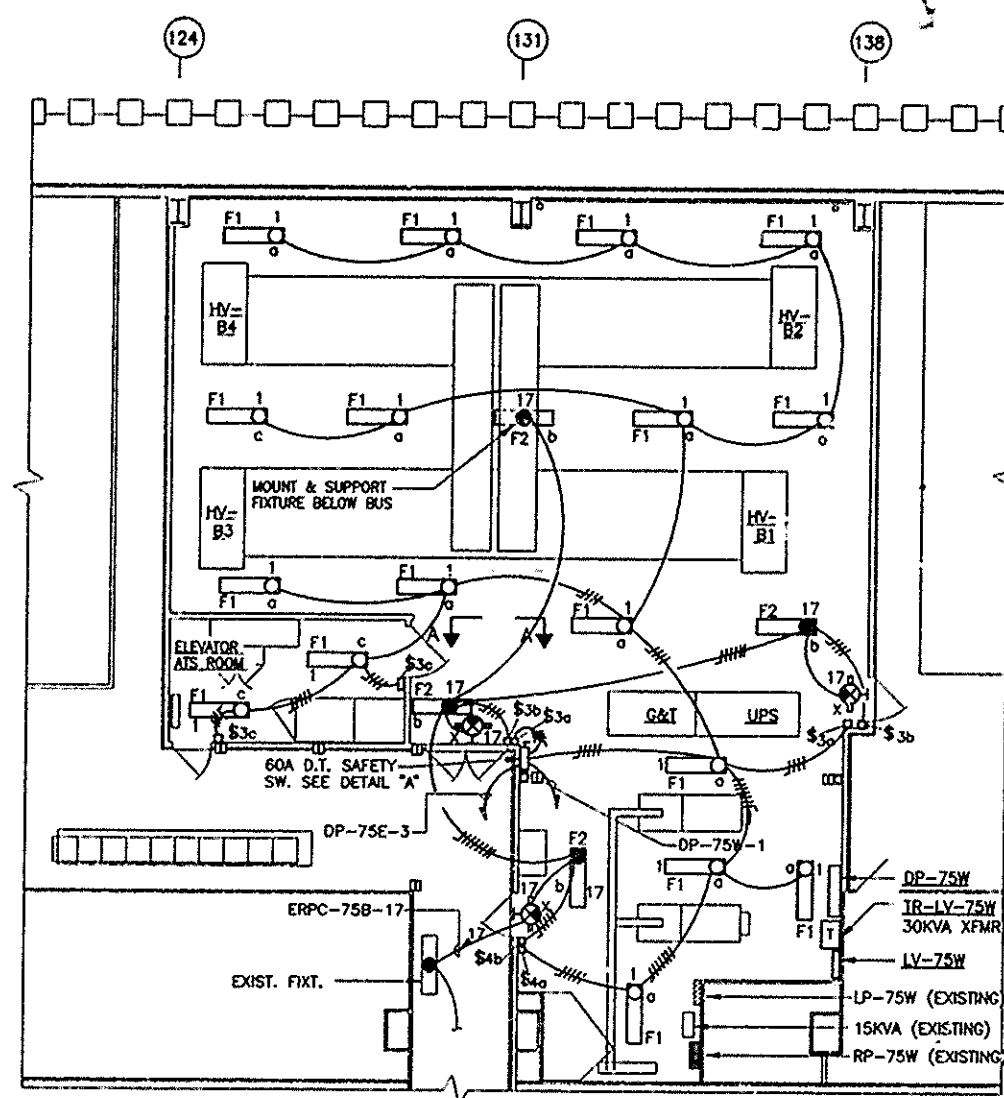
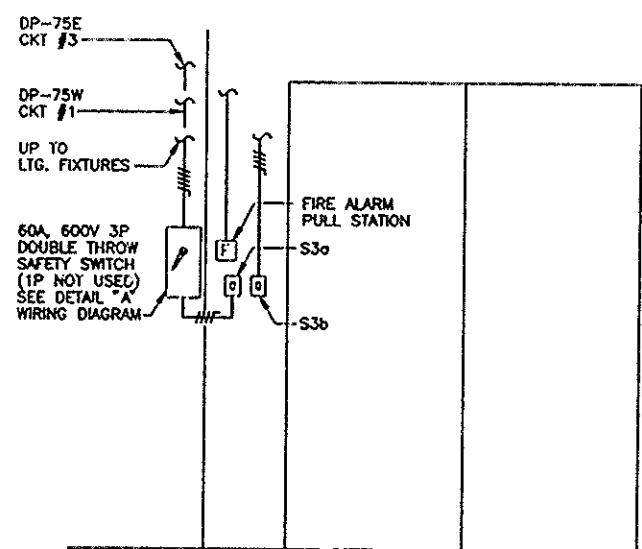


PLAN-SUBSTATION SS-75W  
FIRE ALARM PLAN - STAGE I & III, POWER PLAN - STAGE III



PLAN-SUBSTATION SS-75W  
LIGHTING PLAN - STAGE III  
LIGHTING PLAN - STAGE III



SECTION A-A

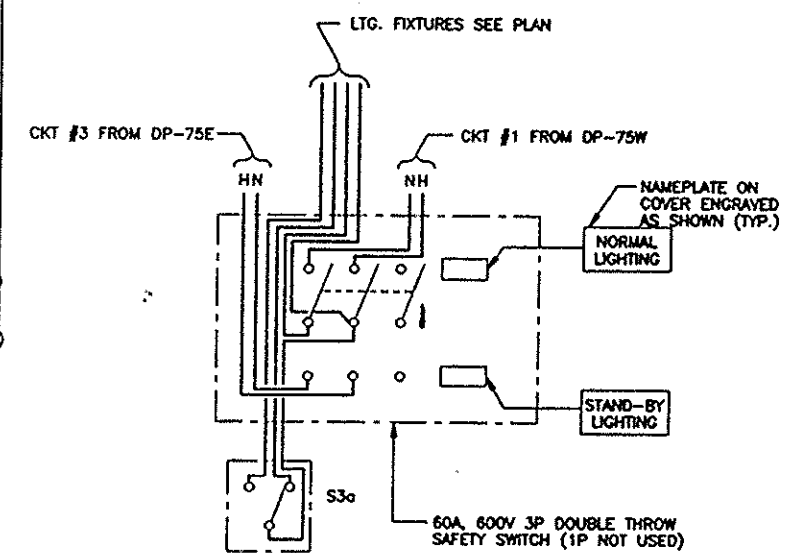
- ## NOTES

1. FOR LEGEND SEE DRAWING #E-1.
2. FOR GENERAL NOTES, ABREVIATIONS AND LIGHTING FIXTURE SCHEDULE SEE DRAWING #E-2.
3. FOR PANEL DP-75W AND LV-75W SCHEDULES SEE DRAWING #E-102.
4. MOUNT EXT LIGHTS SUCH THAT BOTTOM EDGE OF FIXTURE IS 12" ABOVE TOP OF DOOR.
5. IN STAGE I - INSTALL AC UNIT SMOKE DETECTORS AND AREA SMOKE DETECTORS IN CHENG, TRANSP. RM., EL. CL. "C" WITH ASSOCIATED WIRING.
6. IN STAGE III - REMOVE EXIST. SUBSTATION'S AREA SMOKE DETECTORS, PLUM STATIONS, STROBE HORN UNITS (SEE DWG. #E-64); INSTALL NEW AREA SMOKE DETECTORS, PLUM STATIONS, STROBE SPEAKER UNITS IN SUBSTATION AND ELEVATOR AITS ROOM.

I HEREBY CERTIFY THAT THIS IS A TRUE AND CORRECT COPY OF ONE OF THE CONTRACT DRAWINGS CONSTITUTING A PART OF THE CONTRACT DRAWINGS EXISTED IN THE FORM IN WHICH SAID DRAWINGS WAS EXECUTED BY THE PARTIES.

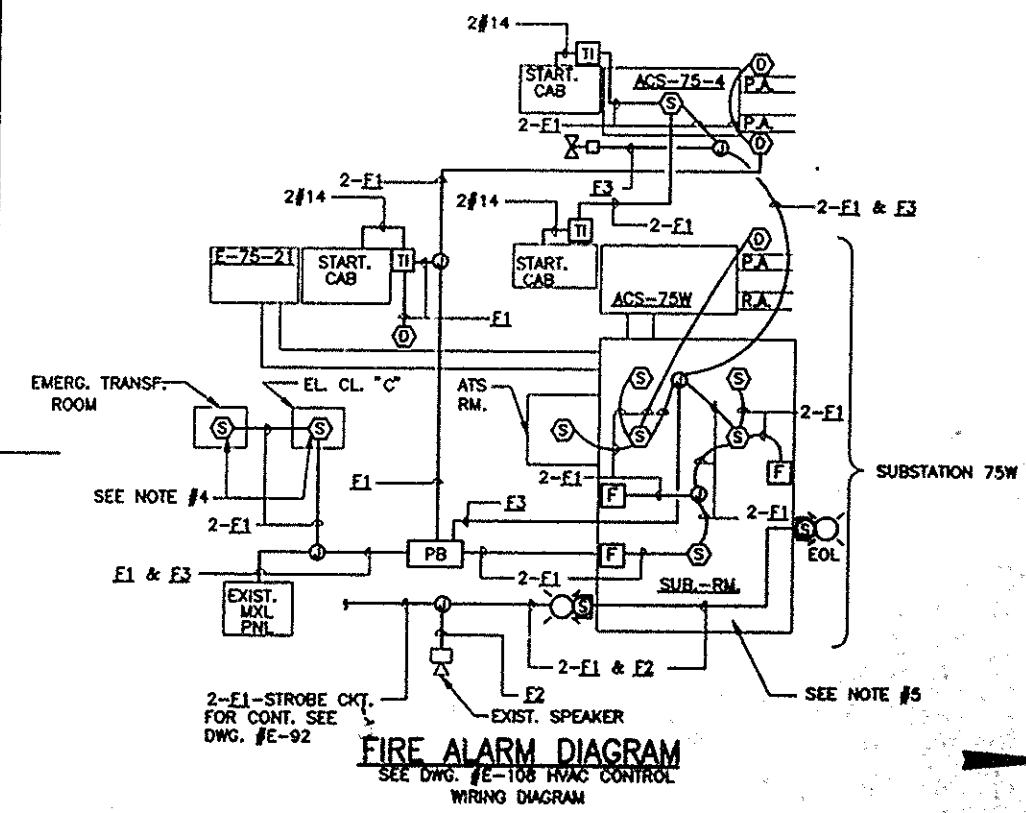
DATE 6/21/95 Santan A. Adlam  
SPEC. WRITER

DATE 8/15/95 Peter K. Swearingen  
ENGINEER OF DESIGN

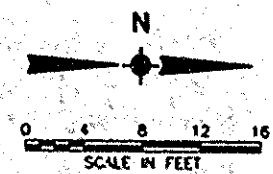


DETAIL "A"  
WIRING DIAGRAM

NOTE:  
GROUND WIRE REQUIRED FOR ABOVE  
INSTALLATION WAS NOT SHOWN.



**FIRE ALARM DIAGRAM**  
SEE DWG. #E-108 HVAC CONTROL  
WIRING DIAGRAM



**THE PORT AUTHORITY  
OF NY & NJ**

*Peter L. Sweeney*  
ENGINEERING PROGRAM MANAGER  
WORLD TRADE CENTER

*Samuel M. Sweeney*  
CHIEF ELECTRICAL ENGINEER

[illegible]

# The World Trade Center Electrical/HVAC Upgrade Program

**TOWER ONE AND TWO  
LOW VOLTAGE  
SUBSTATIONS  
CONSTRUCTION AND  
INSTALLATION**

**ELECTRICAL  
SUBSTATION SS-75W  
STAGE III  
LIGHTING POWER &  
FIRE ALARM PLAN**

5. Date	Revision	Approved
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is drawing subject to conditions in contract.  
inventions, ideas, designs and methods  
are reserved to Port Authority and  
may not be used without its written consent.

ROYZMAN FISCHER	ROYZMAN	A.S.
Designed by	Drawn by	Checked by

Scale AS NOTED

Contract Number	Drawing Number
WTC 802.071	E-77